THE EXPLOSIVES ENGINEER

INDEX TO VOLUME THIRTY-EIGHT

JANUARY-DECEMBER, 1960

A

Accident Prevention:
- Awards of Certificates of Achievement in Safety—1959—May-June, p. 79.
- (The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.
- New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.
- Our Friend is Fifty—editorial—July-Aug., p. 102.
- Safety Communications—editorial—July-Aug., p. 102.
- Technical and Nontechnical Approaches—editorial—Jan.-Feb., p. 6.
- Underground Mining for Cement Rock, by Farrell Castellani—Jan.-Feb., p. 21.
- (The) Winners in 1959—May-June, p. 70.
- Your Key, Sir—editorial—Sept.-Oct., p. 134.

Aged Ore Knob Mine Reopened by Nipissing Mines, by J. R. Daniel—July-Aug., p. 116.

American Zinc, Lead and Smelting Company:
- Young, Richard A.—a biography—May-June, p. 69.

(The) Anaconda Company:
- Brinckerhoff, Charles M.—a biography—Nov.-Dec., p. 165.

Anthracite Mines:
- (The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Appalachian Sulphides, Inc.:
- Aged Ore Knob Mine Reopened by Nipissing Mines, by J. R. Daniel—July-Aug., p. 116.

Awards of Certificates of Achievement in Safety—1959—May-June, p. 79.

B

Barinowski, Clarence Aurelius—a biography—Mar.-Apr., p. 37.

Beauty in Bridges—editorial—Nov.-Dec., p. 166.

(The) Beavers Awards—Mar.-Apr., p. 54.

Bechtel Corporation:
- (The) Beavers Awards—Mar.-Apr., p. 54.

Bestwall Gypsum Company:
- (The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Biographies:
- Barinowski, Clarence Aurelius—Mar.-Apr., p. 37.
- Brinckerhoff, Charles M.—Nov.-Dec., p. 165.
- Cameron, Francis—Sept.-Oct., p. 133.
- MacLean, Mansell Lehigh—Jan.-Feb., p. 5.
- Whitney, Richard W.—July-Aug., p. 101.
- Young, Richard A.—May-June, p. 69.

Bituminous-Coal Mines:
- (The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Blasting:
- Aged Ore Knob Mine Reopened by Nipissing Mines, by J. R. Daniel—July-Aug., p. 116.
- Blasting the Intermountain Roberts Tunnel, by Lewis Nordyke—July-Aug., p. 103.
- Controlled Blasting Demolishes Stubborn Buildings, by William F. Hallstead—Nov.-Dec., p. 181.
- Controlled Blasting Solves Difficult Problem, by William F. Hallstead—July-Aug., p. 120.
- Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.
- Experimental Mine Used for Instruction in Explosives, by Robert Dyment—Jan.-Feb., p. 25.
- (The) Great Glen Canyon Dam Project, by Lewis Nordyke—Sept.-Oct., p. 135.
- ICBM Base Construction at Schilling Air Force Base, by Farrell Castellani—Nov.-Dec., p. 176.
- Jugtown Mountain Cut, by Don Goodman—May-June, p. 82.
- Mile-A-Day Pipe Line Ditch, by L. F. Hurley—Nov.-Dec., p. 184.
- Mining Lithium at Kings Mountain in North Carolina, by Neil O. Johnson—Sept.-Oct., p. 148.
- New Northwest Passage, by L. H. Houck—Nov.-Dec., p. 167.
- Oxbow Dam, by Robert J. Brown, Jr.—Mar.-Apr., p. 39.
- Quarrying Limestone in the Hudson Quarry of Universal Atlas, by L. J. Pauly—May-June, p. 88.
- Shockless Use of Explosives for Sandstone Excavation, by J. Grindrod—Mar.-Apr., p. 55.
- Underground Mining for Cement Rock, by Farrell Castellani—Jan.-Feb., p. 21.
- Vibrations from Construction Blasting, by L. Don Leet—Jan.-Feb., p. 13; Mar.-Apr., p. 47.

Blasting the Intermountain Roberts Tunnel, by Lewis Nordyke—July-Aug., p. 103.

Blue River Constructors:
- Blasting the Intermountain Roberts Tunnel, by Lewis Nordyke—July-Aug., p. 103.

Bridges:
- Beauty in Bridges—editorial—Nov.-Dec., p. 166.

Brinckerhoff, Charles M.—a biography—Nov.-Dec., p. 165.

Brown, Robert J., Jr.:
- Oxbow Dam—Mar.-Apr., p. 39.

Burnbrae, Inc.:
- Controlled Blasting Solves Difficult Problem, by William F. Hallstead—July-Aug., p. 120.

Business and Politics—editorial—Sept.-Oct., p. 134.

C

Cameron, Francis—a biography—Sept.-Oct., p. 133.

(The) Cancerous Strike—editorial—Jan.-Feb., p. 6.

Castellani, Farrell:
- ICBM Base Construction at Schilling Air Force Base—Nov.-Dec., p. 176.
- Underground Mining for Cement Rock—Jan.-Feb., p. 21.

Colorado School of Mines:
- Experimental Mine Used for Instruction in Explosives, by Robert Dyment—Jan.-Feb., p. 25.
- Low Tide—editorial—Mar.-Apr., p. 38.

Construction:
- Blasting the Intermountain Roberts Tunnel, by Lewis Nordyke—July-Aug., p. 103.
- Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.
- (The) Great Glen Canyon Dam Project, by Lewis Nordyke—Sept.-Oct., p. 135.
- ICBM Base Construction at Schilling Air Force Base, by Farrell Castellani—Nov.-Dec., p. 176.

Jugtown Mountain Cut, by Don Goodman—May-June, p. 2.
Mile-A-Day Pipe Line Ditch, by L. F. Hurley—Nov.-Dec., p. 184.
New Northwest Passage, by L. H. Houck—Nov.-Dec., p. 167.
Oxbow Dam, by Robert J. Brown, Jr.—Mar.-Apr., p. 39.

Controlled Blasting Demolishes Stubborn Buildings, by William F. Hallstead—Nov.-Dec., p. 181.

Controlled Blasting Solves Difficult Problem, by William F. Hallstead—July-Aug., p. 120.

Controlled Demolition, Inc.:
Controlled Blasting Demolishes Stubborn Buildings, by William F. Hallstead—Nov.-Dec., p. 181.

D

Dams:
(The) Great Glen Canyon Dam Project, by Lewis Nordyke—Sept.-Oct., p. 135.
Oxbow Dam, by Robert J. Brown, Jr.—Mar-Apr., p. 39.
Shockless Use of Explosives for Sandstone Excavation, by J. Grindrod—Mar.-Apr., p. 55.

Daniel, J. R.:
Aged Ore Knob Mine Reopened by Nipissing Mines—July-Aug., p. 116.

Demolition:
Controlled Blasting Demolishes Stubborn Buildings, by William F. Hallstead—Nov.-Dec., p. 181.
Controlled Blasting Solves Difficult Problem, by William F. Hallstead—July-Aug., p. 120.

Denny, William:
(The) Moles Awards—Jan.-Feb., p. 20.

Drake, George M.:
(The) Moles Awards—Jan.-Feb., p. 20.

Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.

Duquesne Light Company:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Dyment, Robert:
Experimental Mine Used for Instruction in Explosives—Jan.-Feb., p. 25.

E

Edgar Mine:
Experimental Mine Used for Instruction in Explosives, by Robert Dyment—Jan.-Feb., p. 25.

Editorials:
Beauty in Bridges—Nov.-Dec., p. 166.
Business and Politics—Sept.-Oct., p. 134.
(The) Cancerous Strike—Jan.-Feb., p. 6.
Fundamental or Applied?—Mar.-Apr., p. 38.
Low Tide—Mar.-Apr., p. 38.
Mining as a Gamble—Nov.-Dec., p. 166.
Our Friend is Fifty—July-Aug., p. 102.
Safety Communications—July-Aug., p. 102.
Technical and Nontechnical Approaches—Jan.-Feb., p. 6.
Your Key, Sir—Sept.-Oct., p. 134.

Experimental Mine Used for Instruction in Explosives, by Robert Dyment—Jan.-Feb., p. 25.

Explosives:
Aged Ore Knob Mine Reopened by Nipissing Mines, by J. R. Daniel—July-Aug., p. 116.
Blasting the Intermountain Roberts Tunnel, by Lewis Nordyke—July-Aug., p. 103.
Controlled Blasting Demolishes Stubborn Buildings, by William F. Hallstead—Nov.-Dec., p. 181.
Controlled Blasting Solves Difficult Problem, by William F. Hallstead—July-Aug., p. 120.
Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.
Experimental Mine Used for Instruction in Explosives, by Robert Dyment—Jan.-Feb., p. 25.
(The) Great Glen Canyon Dam Project, by Lewis Nordyke—Sept.-Oct., p. 135.
ICBM Base Construction at Schilling Air Force Base, by Farrell Castellani—Nov.-Dec., p. 176.
Jugtown Mountain Cut, by Don Goodman—May-June, p. 82.
Mile-A-Day Pipe Line Ditch, by L. F. Hurley—Nov.-Dec., p. 184.
Mining Lithium at Kings Mountain in North Carolina, by Neil O. Johnson—Sept.-Oct., p. 148.
New Northwest Passage, by L. H. Houck—Nov.-Dec., p. 167.
Oxbow Dam, by Robert J. Brown, Jr.—Mar.-Apr., p. 39.
Quarrying Limestone in the Hudson Quarry of Universal Atlas, by L. J. Pauly—May-June, p. 88.
Shockless Use of Explosives for Sandstone Excavation, by J. Grindrod—Mar.-Apr., p. 55.
Underground Mining for Cement Rock, by Farrell Castellani—Jan.-Feb., p. 21.
Vibrations from Construction Blasting, by L. Don Leet—Jan.-Feb., p. 13; Mar.-Apr., p. 47.

F

Federal Bureau of Mines:
(The) National Safety Competition, by John C. Machisak—May-June, p. 71.
Our Friend is Fifty—editorial—July-Aug., p. 102.

Foote Mineral Company:
Mining Lithium at Kings Mountain in North Carolina, by Neil O. Johnson—Sept.-Oct., p. 148.

Fundamental or Applied?—editorial—Mar.-Apr., p. 38.

Frazier-Davis Construction Company:
Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.

G

General Crushed Stone Company:
New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.

Goodman, Don:
Jugtown Mountain Cut—May-June, p. 82.

(The) Great Glen Canyon Dam Project, by Lewis Nordyke—Sept.-Oct., p. 135.

Grindrod, J.:
Shockless Use of Explosives for Sandstone Excavation—Mar.-Apr., p. 55.

Groves, S. J. & Sons Company:
New Northwest Passage, by L. H. Houck—Nov.-Dec., p. 167.

H

Hallstead, William F.:
Controlled Blasting Demolishes Stubborn Buildings—Nov.-Dec., p. 181.
Controlled Blasting Solves Difficult Problem—July-Aug., p. 120.

(The) Hanna Mining Company:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.
Whitney, Richard W.—a biography—July-Aug., p. 101.

Highways:
Jugtown Mountain Cut, by Don Goodman—May-June, p. 82.
New Northwest Passage, by L. H. Houck—Nov.-Dec., p. 167.

Hindmarsh, Victor G.:
(The) Beavers Awards—Mar.-Apr., p. 54.

Houck, L. H.:
New Northwest Passage—Nov.-Dec., p. 167.

Hudson Quarry:
Quarrying Limestone in the Hudson Quarry of Universal Atlas, by L. J. Pauly—May-June, p. 88.

Hurley, L. F.:
Mile-A-Day Pipe Line Ditch—Nov.-Dec., p. 184.

Hydroelectric:
Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.
(The) Great Glen Canyon Dam Project, by Lewis Nordyke—Sept.-Oct., p. 135.
Oxbow Dam, by Robert J. Brown, Jr.—Mar.-Apr., p. 39.

I

ICBM Base Construction at Schilling Air Force Base, by Farrell Castellani—Nov.-Dec., p. 176.

Idaho Power Company:
Oxbow Dam, by Robert J. Brown, Jr.—Mar.-Apr., p. 39.

Ingersoll-Rand Company:
(The) Beavers Awards—Mar.-Apr., p. 54.

Inland Lime and Stone Company:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

J

Jeddo-Highland Coal Company:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Johnson, Al, Construction Company:
(The) Beavers Awards—Mar.-Apr., p. 54.

Johnson, Algot F.:
(The) Beavers Awards—Mar.-Apr., p. 54.

Johnson, Drake & Piper, Inc.:
(The) Moles Awards—Jan.-Feb., p. 20.

Johnson, Neil O.:
Mining Lithium at Kings Mountain in North Carolina—Sept.-Oct., p. 148.

Jugtown Mountain Cut, by Don Goodman—May-June, p. 82.

K

Kiewit, Peter, Sons' Co.:
(The) Beavers Awards—Mar.-Apr., p. 54.

Kings Mountain:
Mining Lithium at Kings Mountain in North Carolina, by Neil O. Johnson—Sept.-Oct., p. 148.

L

Leen, W. J.:
(The) Beavers Awards—Mar.-Apr., p. 54.

Leet, L. Don:
Vibrations from Construction Blasting—Jan.-Feb., p. 13; Mar.-Apr., p. 47.

Lithium:
Mining Lithium at Kings Mountain in North Carolina, by Neil O. Johnson—Sept.-Oct., p. 148.

Low Tide—editorial—Mar.-Apr., p. 38.

M

Machisak, John C.:
(The) National Safety Competition of 1959—May-June, p. 71.

MacLean-Grove & Company, Incorporated:
MacLean, Mansell Lehigh—a biography—Jan.-Feb., p. 5.

MacLean, Mansell Lehigh—a biography—Jan.-Feb., p. 5.

Merritt-Chapman & Scott Corporation:
(The) Great Glen Canyon Dam Project, by Lewis Nordyke—Sept.-Oct., p. 135.
(The) Moles Awards—Jan.-Feb., p. 20.

Metal Mines:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Metropolitan Water Sewerage and Drainage Board of Sydney:
Shockless Use of Explosives for Sandstone Excavation, by J. Grindrod—Mar.-Apr., p. 55.

Mile-A-Day Pipe Line Ditch, by L. F. Hurley—Nov.-Dec., p. 184.

Mining as a Gamble—editorial—Nov.-Dec., p. 166.

Mining Lithium at Kings Mountain in North Carolina, by Neil O. Johnson—Sept.-Oct., p. 148.

Missile Bases:
ICBM Base Construction at Schilling Air Force Base, by Farrell Castellani—Nov.-Dec., p. 176.

Missouri Portland Cement Company:
Underground Mining for Cement Rock, by Farrell Castellani—Jan.-Feb., p. 21.

(The) Moles Awards—Jan.-Feb., p. 20.

Morrison-Knudsen Company, Inc.:
Oxbow Dam, by Robert J. Brown, Jr.—Mar.-Apr., p. 39.

N

National Crushed Stone Association:
New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.

(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

New Haven Trap Rock Company:
New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.

New Northwest Passage, by L. H. Houck—Nov.-Dec., p. 167.

News Notes—Jan.-Feb., p. 29; May-June, p. 94.

New York Trap Rock Corporation:
New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.

New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.

Nipissing Mines:
Aged Ore Knob Mine Reopened by Nipissing Mines, by J. R. Daniel —July-Aug., p. 116.

Nonmetallic Mines:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Nordyke, Lewis:
Blasting the Intermountain Roberts Tunnel—July-Aug., p. 103.
(The) Great Glen Canyon Dam Project—Sept.-Oct., p. 135.

O

Open-Pit Mines:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.

Ore Knob Mine:
Aged Ore Knob Mine Reopened by Nipissing Mines, by J. R. Daniel—July-Aug., p. 116.

Our Friend is Fifty—editorial—July-Aug., p. 102.
Oxbow Dam, by Robert J. Brown, Jr.—Mar.-Apr., p. 39.

P

Pauly, L. J.:
Quarrying Limestone in the Hudson Quarry of Universal Atlas—May-June, p. 88.

Pipe Line:
Mile-A-Day Pipe Line Ditch, by L. F. Hurley—Nov.-Dec., p. 184.

Q

Quarries:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.
Quarrying Limestone in the Hudson Quarry of Universal Atlas, by L. J. Pauly—May-June, p. 88.

Quarrying Limestone in the Hudson Quarry of Universal Atlas, by L. J. Pauly—May-June, p. 88.

R

Riley, Tim J.:
(The) Beavers Awards—Mar.-Apr., p. 54.

Russell, Harold E.:
Driving the Jaybird—Jan.-Feb., p. 7.

S

Safety Communications—editorial—July-Aug., p. 102.
Schilling Air Force Base:
ICBM Base Construction at Schilling Air Force Base, by Farrell Castellani—Nov.-Dec., p. 176.

Scott, Walter:
(The) Beavers Awards—Mar.-Apr., p. 54.

Shockless Use of Explosives for Sandstone Excavation, by J. Grindrod—Mar.-Apr., p. 55.

St. Joseph Lead Company:
Cameron, Francis—a biography—Sept.-Oct., p. 133.

Superior Stone Company:
New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.

T

Technical and Nontechnical Approaches—editorial—Jan.-Feb., p. 6.

Tunnels:
Blasting the Intermountain Roberts Tunnel, by Lewis Nordyke—July-Aug., p. 103.
Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.

U

Underground Mining for Cement Rock, by Farrell Castellani—Jan.-Feb., p. 21.

U. S. Army:
(The) Beavers Awards—Mar.-Apr., p. 54.

U. S. Army Corps of Engineers:
(The) Beavers Awards—Mar.-Apr., p. 54.

U. S. Bureau of Mines:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.
New York Trap Rock Quarry Wins NCSA and Explosives Engineer Plaques—May-June, p. 80.
Our Friend is Fifty—editorial—July-Aug., p. 102.

U. S. Steel Corporation:
(The) National Safety Competition of 1959, by John C. Machisak—May-June, p. 71.
Quarrying Limestone in the Hudson Quarry of Universal Atlas, by L. J. Pauly—May-June, p. 88.

Universal Atlas Cement Division:
Quarrying Limestone in the Hudson Quarry of Universal Atlas, by L. J. Pauly—May-June, p. 88.

Upper American River Project:
Driving the Jaybird, by Harold E. Russell—Jan.-Feb., p. 7.

Utah-Manhattan-Sundt Construction Company:
ICBM Base Construction at Schilling Air Force Base, by Farrell Castellani—Nov.-Dec., p. 176.

V

Vibrations from Construction Blasting, by L. Don Leet—Jan.-Feb., p. 13; Mar.-Apr., p. 47.

Vulcan Materials Company:
Barinowski, Clarence Aurelius—a biography—Mar.-Apr., p. 37.

W

Warragamba Dam:
Shockless Use of Explosives for Sandstone Excavation, by J. Grindrod—Mar.-Apr., p. 55.

Western Pipe Line Company:
Mile-A-Day Pipe Line Ditch, by L. F. Hurley—Nov.-Dec., p. 184.

Wheeler, Raymond A.:
(The) Beavers Awards—Mar.-Apr., p. 54.

Whitney, Richard W.—a biography—July-Aug., p. 101.

Y

Yonkers Contracting Company:
Jugtown Mountain Cut, by Don Goodman—May-June, p. 82.

Young, Richard A.—a biography—May-June, p. 69.

Your Key, Sir—editorial—Sept.-Oct., p. 134.